

## STATED MEETING, JUNE 13.

President BLAND in the Chair.

Ten Members present.

On ballot, Mr. George H. Hathaway of Chicago, Illinois, was elected a Corresponding Member of the Society.

On report of the respective Committees, the following papers were ordered to be published.

---

Descriptions of several new species of North American COLEOPTERA.

BY JAMES H. B. BLAND.

## STAPHYLINUS CAPITATUS, n. sp.

Black; head fulvous; fifth and sixth dorsal and all the ventral segments, silvery-sericeous.

*Hab.*—Canada West. (Coll. Ent. Soc. Philadelphia.)

Body black, pubescent and having a few long black hairs scattered over the surface; head large, subquadrate, broader and larger than the thorax, fulvous, clothed with very short golden-sericeous pubescence, finely punctured, and having several deep, isolated, black punctures, from which proceeds a single long black hair; eyes small, rounded, black; mandibles long, acute, shining, fulvous, their tips black, as well as the palpi and the sides and undersurface of the collar; antennae rufo-piceous, the basal joint fulvous, apical joints blackish. Thorax subquadrate, slightly narrowed behind, truncate anteriorly and rounded posteriorly, finely punctured, densely clothed with very short black pubescence, and having scattered spots of fulvous pubescence, which are more obvious when viewed in certain lights; dorsal surface with a smooth, polished, longitudinal, elevated line, obsoletely defined in the middle; scutellum velvety-black. Elytra quadrate, broader than the head, the surface uneven, with dense short black pubescence; humerus with a lateral fulvous mark. Legs black, with black pubescence; the femora within stained with rufous. Abdomen narrower than the elytra, black, the 2nd, 3rd and 4th segments above with a velvety-black patch of pubescence on their middle, which have, when viewed in certain

lights, a slight mixture of fulvous pubescence; 5th and 6th segments clothed with appressed silvery-sericeous pubescence; apical segments black, with an anal tuft of long black hairs; beneath, the thorax and ventral segments are silvery-sericeous. Length  $6\frac{1}{2}$  lines.

This species is readily distinguished from all others, by the fulvous head, and silvery band of the abdomen above. It was collected and presented to the Society, by Mr. William Saunders, of London, Canada West.

CHRYSOBOTHRIS PURPURATA, n. sp.

Purple, with three coppery depressions on each elytron.

*Hab.*—Nebraska. (Coll. Ent. Soc. Philadelphia.)

♀. Body purple. depressed; head very densely punctured, between the eyes a large rhomboidal impression, beneath which are two small smooth spots, and a little lower down the face is tinged with green; antennæ bronze, greenish towards the tip, 3rd joint a third longer than the 4th. Thorax nearly twice as wide as long, rounded on the sides; posterior margin lobed in the middle; dorsal groove not well defined. densely punctured, sides more densely and somewhat rugosely punctured, with a deep depression near the lateral margin; on each side of middle there is a transverse greenish spot. Elytra wider than the thorax, the sides straight to the posterior third, from which it narrows, somewhat obliquely, to the tip, and very finely serrate; tip rounded to the suture; purple, tinged with coppery towards the apex, densely punctured; on each elytron at base, a circular depression, the outline of which is obsolete behind towards the suture, in the middle of this depression there is a small lunular elevation; a little above the middle a rather large uneven coppery depression; just below the middle, near the lateral margin, a small transverse coppery depression, and a smaller one a little above the apical third, near the suture; subsutural costa entire from the apex forward to the anterior third, where it becomes obsolete and joins the lower margin of the semicircular basal depression; submarginal costa entire from the humerus almost to the tip; abdomen beneath bright coppery, polished, sparsely punctured, the sides more densely so; apical segment deeply emarginate in the middle, the sides scarcely serrated. Legs coppery, tarsi greenish. Length 4 lines.

♂. Smaller than the ♀, the face and antennæ entirely green; the sculpture of the elytra not so sharply defined, and the three coppery depressions not so bright; the last ventral segment is broadly emarginate at tip. Length 3 lines.

Collected and presented to the Society, by Mr. John Pearsall.

CARDIOPHORUS MONTANUS, n. sp.

Black, clothed with yellowish-sericeous pubescence.

*Hab.*—Rocky Mountains, Col. Ter. (Coll. Ent. Soc. Philad.)

Body black, minutely punctured, clothed, especially the elytra, with very fine, short, yellowish-sericeous pubescence, more obvious in certain lights; head rather strongly impressed between the eyes; mouth piceous, clothed with golden pubescence; antennæ about as long as the thorax, brown-black, serrate, basal joint robust. Thorax convex, sides rounded, very minutely punctured, shining, posterior margin depressed, on the middle of which there is a deep depression and another on each side of it; anterior margin with a shallow depression on each side of the middle; posterior angles subacute; scutellum impressed on the disk. Elytra as wide as the thorax; the dorsal surface flattened, with several shallow depressions; striæ tolerably well impressed and regularly punctured, interstices flat, indistinctly punctured, the 3rd to 6th striæ confused near the apex. Legs blackish-piceous, the tarsi rufous. Length  $4\frac{1}{4}$  lines.

Closely allied to *C. convexulus* Lec., but is more robust and the face more deeply impressed. Presented to the Society by the Committee on Collecting Fund.

CORYMBITES BRUNNIPES, n. sp.

Black, shining; elytra deeply striated; legs dark brown.

*Hab.*—Nebraska. (Coll. Ent. Soc. Philadelphia.)

Body elongate, black, shining; head and thorax with dense and rather strong punctures, those on the face coarser and confluent; the face broadly and deeply impressed, producing an obtuse tubercle on each side just above the insertion of the antennæ; mandibles piceous, with pale hairs; antennæ as long as the thorax in ♀, and longer in ♂, black, opaque, 3rd joint twice the length of the second, the 4th to the 9th joints about equal in length, the 4th and 8th being rather strongly serrate, apical joint somewhat constricted at tip. Tho-

rax convex, sides rounded anteriorly, narrowed posteriorly; posterior angles rather long, divergent, carinated, the apex obtuse; disk with an obsoletely impressed line, more obvious in front; posterior margin deeply impressed; scutellum round, depressed, with a slight grey pubescence. Elytra about as wide as the thorax, depressed at base and slightly narrowed, widest at the posterior third and then gradually attenuated to the apex; striae well impressed, very deeply so at base, rather indistinctly punctured, interstices convex, finely punctured; beneath black, polished, minutely punctured, slightly pubescent. Legs dark brown, pubescent. Length ♂ 6 lines, ♀ 7 lines.

The female is much more robust than the male, the elytra has a slight cupreous tinge, while that of the male is slightly bluish. The female specimen before me also differs from the male in the general color being somewhat brownish, which is doubtless owing to immaturity. Collected and presented to the Society by Mr. John Pearsall.

CORYMBITES NIGRICOLLIS, n. sp.

Head and thorax black; elytra yellowish-brown, with four large dark marks.

*Hab.*—Rocky Mountains, Col. Ter. (Coll. Ent. Soc. Philad.)

Head black, closely punctured, flattened in front, clothed with golden pubescence; mandibles rufous, black at tip; palpi and antennae piceous, the latter subserrate, the 2nd and 3rd joints slightly pubescent, remaining joints densely so, 2nd joint about half the length of the 3rd, 4th about equal to the 2nd and 3rd combined. Thorax black, much longer than broad; closely and neatly punctured, clothed with golden pubescence; somewhat narrowed in front; posterior angles slightly divergent, carinated; lateral margins nearly straight; deeply impressed on the middle of the posterior margin. Scutellum black, punctured. Elytra slightly dilated behind the middle; yellowish-brown, covered with short prostrate golden pubescence; striae well impressed, distinctly punctured at base, obsoletely so at tip, interstices convex, somewhat rugosely punctured; a large dark brown mark on the anterior fourth extending from the 2nd sutural stria to near the lateral margin, thence inclining towards the humerus; a dark brown spot on the middle, commencing near the suture, widening towards the lateral margin, but not confluent with it; lateral margins reflexed; beneath black, minutely

punctured, clothed with yellowish pubescence. Legs dark brown. Length  $5\frac{1}{2}$  lines.

Presented to the Society by Mr. E. T. Cresson.

PITYOBIUS BILLINGSII. n. sp.

Blackish-piceous; antennæ pale brown; legs and abdomen piceous.

*Hab.*—Canada West. (Coll. Ent. Soc. Philadelphia.)

♂. Body blackish-piceous; head coarsely and confluent punctured, deeply excavated between the eyes; mouth piceous; antennæ longer than the head and thorax, bipectinate, brown, becoming paler toward the tip, 3rd joint broader and larger than the 2nd. Thorax black, about equal in length and breadth, coarsely and confluent punctured, sides rounded in front, somewhat sinuate behind the middle, the posterior angles long, subacute, carinated and strongly divergent; dorsal groove deep, broader just behind the middle, on each side of this groove in front there is a large deep depression; posterior margin strongly and transversely depressed on each side. Elytra elongate, subconvex, slightly depressed at the anterior fourth, sides almost parallel, being slightly sinuate about the middle, gradually rounded at tip; striæ deep, not distinctly punctured, interstices convex, rugosely punctured; abdomen beneath piceous, finely punctured. Legs piceous, varied with rufous, tarsi pale rufous. Length  $12\frac{1}{2}$  lines.

This species differs from the ♂ specimen before me of *P. anguinus* Lec., by being much more robust, more coarsely punctured, the depressions of the thorax, though similarly situated, are much deeper and larger, the striæ of the elytra are more deeply impressed and the interstices more coarsely punctured. The greatest difference between these two species, however, lies in the proportions of the thorax, which in the present species, is as broad as long and the sides rounded in front, while in *anguinus* it is longer than broad and the sides nearly parallel. The color of the antennæ and legs is also different.

It gives me pleasure to dedicate this fine species to Mr. B. Billings, Jr., of Ottawa, Canada West, to whose kindness the Society is indebted for this and many other valuable Coleoptera.

GAUROTES CRESSONI. n. sp.

Black; elytra deep blue; abdomen rufous; femora, except base and apex, fulvous.

*Hab.*—Rocky Mountains. Col. Ter. (Coll. Ent. Soc. Philad.)

♂. Body black, shining; head closely punctured, with a longitudinal impressed line on the vertex; mouth piceous, with yellowish pubescence; antennæ about as long as the body, black. Thorax black, polished, feebly punctured, broader than long, narrowed in front and suddenly constricted to a band at both anterior and posterior margins; dorsal groove finely impressed, and on each side of it a shallow depression, outside of which, near the lateral margin, there is a much deeper depression; scutellum black, finely canaliculate, with a deep puncture near the tip. Elytra about twice as broad as the thorax, narrowed posteriorly; deep metallic blue, deeply and closely punctured, especially at base; humerus very prominent, there being a profound depression between it and the scutellum; body beneath black, abdomen rufous. Legs black, the femora except base and apex, fulvous. Length 6 lines.

Distinguished from *G. cyanipennis* Say, and *G. abdominalis* Bland, by the much coarser punctation and by the color of the antennæ and legs; from *cyanipennis* it is at once distinguished by the short transverse thorax, the shape of which approaches that of *abdominalis*, but is still more transverse. It is, however, abundantly distinct from either species.

Presented to the Society by Mr. E. T. Cresson, to whom it is dedicated.

MELÆ AFER, n. sp.

Short, black; head and thorax coarsely and deeply punctured; elytra shining, rugosely punctured.

*Hab.*—Nebraska. (Coll. Ent. Soc. Philadelphia.)

*Male.*—Deep black. Head broader than the thorax, deeply, coarsely and somewhat confluent punctured; vertex with a longitudinal impressed line; antennæ as long as the head and thorax, the 4th to 10th joints moniliform, black, the 8th to apical joints pubescent. Thorax punctured like the head, quadrate, sides slightly sinuate behind the middle; disk with a deep longitudinal impression near the posterior margin which is depressed and sinuate. Elytra shining, rugosely punctured, the abdominal segments densely punctured. Legs black, faintly tinged with blue, sparsely punctured, shining; tarsal claws cleft. Length  $4\frac{1}{2}$  lines.

Resembles *M. parvus* Hald., but differs by being more coarsely and deeply punctured and somewhat shining. Collected and presented to the Society, by Mr. John Pearsall.

LYTTA TARSALIS, n. sp.

Black, clothed with yellowish-cinereous pubescence; femora and tibiae, except their tips, fulvous.

*Hab.*—Illinois. (Coll. Ent. Soc. Philadelphia.)

Body dull black, finely punctured, clothed with yellowish-cinereous pubescence, which is longer on the head, thorax and base of elytra; head quadrate, broader than the thorax, suddenly constricted beneath the eyes, strongly tinged with purple; labrum shining, bilobate; palpi deep black; antennæ as long as the head and thorax in ♀, slightly longer in ♂, deep black, basal joint robust, rather long, 2nd joint small, 3rd more than twice the length of the 2nd, 4th and following joints moniliform, gradually larger towards the tip, apical joint robust and subconical. Thorax subquadrate, slightly tinged with purple, the anterior third gradually narrowed in front, sides of the posterior two-thirds straight; disk with a slight longitudinal impression. Elytra elongate, parallel, dull black, clothed with short prostrate yellowish-cinereous pubescence, longer at the base; tips regularly rounded from the suture to the lateral margin. Legs black, the femora and tibiae, except extreme tips, fulvous; coxæ densely clothed with long yellowish pubescence; tarsal claws cleft. Length ♂  $5\frac{1}{2}$  lines, ♀  $7\frac{1}{4}$  lines.

Collected and presented to the Society by Benj. D. Walsh, Esq., of Rock Island, Illinois.

CHRYSOMELA PALLIDA, n. sp.

Pale yellow; head and body beneath rufous; elytra with several longitudinal black spots.

*Hab.*—Rocky Mountains, Col. Ter. (Coll. Ent. Soc. Philad.)

Body pale yellow, convex, shining, feebly punctured; head rufous, orbits of the eyes and the clypeus strongly punctured; tips of the mandibles black; antennæ pale rufous, the four apical joints blackish. Thorax with the posterior two-thirds ferruginous, the anterior margin of the ferruginous portion undulate and not reaching the lateral margin of the thorax; on the middle of this mark there are two rounded yel-



lowish spots; scutellum black, polished. Elytra with 8 black marks, arranged in series, thus—2, 3, 1, 2.—the first series consists of a spot on the humerus and a hooked-shaped mark within and a little lower down, the second series consists of three unequal longitudinal lines, each placed lower than the other towards the suture, then comes a single, slightly oblique, longitudinal line, interrupted, so as to form a semicolon, on the left elytron, and near the apex there are two dots, the outer one higher up; in some specimens, these two spots, most probably, become confluent and form a line; all these spots are surrounded by a line of distinct punctures; there are also two regular rows of punctures near the suture and two others near the lateral margin, otherwise the punctures are scattered and feeble; sutural and lateral margins narrowly pale rufous. Legs and undersurface of the body rufous, the former paler. Length 3 lines.

This species belongs to Group A of Rogers' Synopsis of this genus in Proc. Acad. Nat. Sci. Philad., VIII, p. 32.

Presented to the Society by the Committee on Collecting Fund.

*COCCINELLA ETHIOPS*, n. sp.

Deep black, smooth and polished.

*Hab.*—Rocky Mountains, Col. Ter. (Coll. Ent. Soc. Philad.)

Body entirely deep black, very convex, smooth and polished; apical margin of the clypeus whitish; tarsi beneath clothed with whitish pubescence; lateral margins of the elytra distinctly but narrowly reflexed; beneath minutely punctured, shining. Length 2 lines.

Presented to the Society by the Committee on Collecting Fund.